



January 4 , 2018

R11379-2.6

Attn: Compliance Tracker, AE-17J
Air Enforcement and Compliance Assurance Branch
U.S. Environmental Protection Agency - Region 5
77 West Jackson Boulevard
Chicago, Illinois 60604

Ambient Air Lead Monitoring Report

Sampling Period of November 9 through December 9, 2017

Behr Site - 1100 Seminary Street – Rockford, Illinois 61104

Site ID No.: 201030AYB

To Whom This May Concern:

Introduction:

The Behr Site (Site) has implemented an ambient air monitoring program for lead and arsenic in accordance with USEPA Regions V's Request to Provide Information Pursuant to the Clean Air Act, dated May 5, 2015. An ambient air monitoring station has been installed in accordance with the approved *Ambient Air Lead Monitoring Station Siting Proposal* dated July 7, 2014. The site began operation on October 21, 2015. Station operating procedures, sample collection and handling procedures, and sample analytical methods and procedures have been performed in accordance with the revised *Quality Assurance Project Plan (QAPP)* dated January 31, 2017.

Beginning on October 21, 2015, 24-hour TSP samples were collected every third day, in accordance with USEPA's published ambient air sampling schedule (presented in Appendix A), and analyzed for lead (Pb) and arsenic (As)¹. Samples are held in sealed envelopes in a controlled area on site until a minimum of eleven samples have been collected. The samples are then sent to RTI International in Research Triangle Park, North Carolina for lead analysis, in accordance with the methods identified in the QAPP. A summary of individual lead measurements reported by RTI for all samples collected during this reporting period is presented in Appendix B.

The Site has also installed a meteorological station to simultaneously record barometric pressure, wind speed, and wind direction during *sample* collection periods. Met data for this reporting period is presented in Appendix C as 1-hour averages.

¹ The initial analytical requirements established by USEPA included lead and arsenic; however, as of October 6, 2016, based on previous analytical results, the requirement to analyze for arsenic was eliminated

January 4, 2018

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Ambient Air Lead Monitoring Station Monthly Report

Sampling Period of November 9 through December 9, 2017

Behr Site – Rockford, Illinois

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Summary of Ambient Air Monitoring Results for This Reporting Period:

A summary of the ambient air monitor measurements for sampling events performed on November 6 through December 9, 2017, is presented in Table 1 attached to this correspondence.

This table identifies the sampling date, sample duration, the 24-hour average temperature and barometric pressure data recorded by integrated sensors provided with the high volume sampler (used to adjust actual flow rate to standard conditions), average volumetric air sampling rate, total volume of air collected during each sampling event, as well as the analytical results for lead.

The total mass of lead on the filters (Column J) is divided by the total sample volume at standard conditions (Column H) to identify 24-hour average ambient air lead concentration in Column K.

The monthly mean is reported in Column L. The 3-month mean ambient lead concentration is presented in Column M and is reported as the average of the three most recent monthly means rounded to two significant digits for comparison to rolling 3-month average NAAQS lead standard. The analytical report from RTI International, (subcontracted for filter analyses), is presented in Appendix B.

The attached table also reports the daily average wind direction and daily average wind speed for each sampling day (Columns N and O respectively). The meteorological data for this reporting period is presented in Appendix C, which also includes an aerial photo of the facility identifying the location of the ambient air monitor with respect to the lead material processing building (Dock 25) and the three point sources of lead emissions.

The Site has retained RK & Associates to assist with submitting monthly lead monitoring reports. If you have any questions, or require any additional information please do not hesitate to contact John Pinion at 630-393-9000 (jpinion@rka-inc.com).

Yours very truly,

RK & Associates, Inc.

A handwritten signature in black ink, appearing to read "John G. Pinion".

John G. Pinion
Associate Engineer

cc: Ms. Sarah Schlichtholz – Director, Environmental and Community Affairs – Alter Treading Inc. – St. Louis, MO
Mr. Patrick Kohlmeier – Environmental Engineer – Behr Site – Rockford, IL
Mr. Eric Boyd – Thompson Colburn – Chicago, IL

Table 1. Summary of Ambient Air Lead Monitoring Results November 9 through December 9, 2017

The Behr Site - Rockford, Illinois

Wind direction data includes
adjustment from Oct. 2016
Met Sta Performance Audit

Col -> A USEPA Lead Sample Day (Y)	B Day of Week	C Sample Collection Date	D Sample Duration (days) (hrs)	E Avg. Temp °C	F Avg. Bar. Pres. mmHg	G Sample Rate / Volume		I Sampler Data Flags	J Lead ^a ug/filter	K Ambient Lead Concentrationc			N Facility Met Data	
						Average Rate scfm	Total std m ³			Daily Average ug/m ³	Monthly Average ug/m ³	3-Month Rolling Average ^b ug/m ³	Daily Avg Wind Direction Degrees	Daily Avg Wind Speed mph
	Fri	09/01/17	24:00	18.70	743.00	43.20	1,763.40		306.36	0.174			123°	1.99
Y	Mon	09/04/17	24:00	21.50	736.00	42.70	1,741.57		20.32	0.012			304°	1.77
	Thu	09/07/17	24:00	20.00	742.00	43.10	1,757.54		27.46	0.016			276°	0.85
Y	Sun	09/10/17	24:00	19.40	749.00	43.60	1,777.73		147.68	0.083			129°	2.72
	Wed	09/13/17	24:00	23.70	734.00	42.30	1,725.49		230.70	0.134			126°	1.04
Y	Sat	09/16/17	24:00	27.20	741.00	42.40	1,727.13		32.19	0.019			142°	2.05
	Tue	09/19/17	24:00	23.70	738.00	42.50	1,733.19		248.15	0.143			0°	0.00
Y	Fri	09/22/17	24:00	29.10	741.00	42.20	1,721.30		94.85	0.055			149°	1.17
	Mon	09/25/17	24:00	28.10	739.00	42.20	1,720.79		76.86	0.045			145°	0.87
Y	Thu	09/28/17	24:00	17.70	748.00	43.80	1,786.68		41.30	0.023			145°	0.87
	Sun	10/01/17	24:00	18.70	743.00	43.70	1,782.23		55.43	0.031			128°	3.39
Y	Wed	10/04/17	24:00	19.20	747.00	43.50	1,772.58		28.37	0.016			313°	1.13
	Sat	10/07/17	24:00	17.70	730.00	42.60	1,735.79		11.51	0.007			141°	2.42
Y	Tue	10/10/17	24:00	14.70	742.00	43.60	1,776.32		261.70	0.147			28°	1.22
	Fri	10/13/17	24:00	17.70	742.00	43.30	1,766.46		51.69	0.029			120°	1.16
Y	Mon	10/16/17	24:00	13.50	746.00	43.90	1,790.90		22.93	0.013			191°	0.39
	Thu	10/19/17	15:07	19.90	744.00	43.50	1,117.67	1	57.67	0.052 t			144°	0.97
Y	Sun	10/22/17	Sampling event missed (see footnote t). A replacement sample on 10/29.							t			333°	0.85
	Wed	10/25/17	24:00	9.00	734	43.70	1,782.43		261.80	0.147			160°	0.56
Y	Sat	10/28/17	24:00	3.80	738	44.50	1,813.55		5.30	0.003			297°	2.43
	Sun	10/29/17	24:00	7.40	733	43.90	1,790.11		8.97	0.005 t			172°	0.82
Y	Tue	10/31/17	24:00	3.90	742.00	44.70	1,822.10		14.36	0.008			209°	0.55
	Fri	11/03/17	24:00	7.10	746.00	44.60	1,818.28		115.60	0.064			121°	1.97
Y	Mon	11/06/17	24:00	5.10	748.00	44.80	1,828.36		10.59	0.006			357°	1.35
	Thu	11/09/17	24:00	-1.90	749.00	45.80	1,867.95		13.84	0.007			327°	2.84
Y	Sun	11/12/17	24:00	2.80	749.00	45.30	1,848.33		78.12	0.042			82°	0.07
	Wed	11/15/17	24:00	5.00	739.00	44.70	1,823.80		5.44	0.003			298°	2.87
Y	Sat	11/18/17	24:00	2.70	734.00	44.40	1,811.20		3.27	0.002			332°	3.50
	Tue	11/21/17	24:00	0.10	743.00	45.10	1,838.22		32.46	0.018			310°	2.81
Y	Fri	11/24/17	24:00	5.30	743.00	44.60	1,816.87		30.25	0.017			170°	0.88
	Mon	11/27/17	24:00	12.30	736.00	43.40	1,769.35		122.40	0.069			138°	4.03
Y	Thu	11/30/17	24:00	6.30	744.00	44.90	1,829.27		157.13	0.086			u	u
	Sun	12/03/17	24:00	11.40	739.00	43.80	1,787.98		201.30	0.113			u	u
Y	Wed	12/06/17	24:00	-3.20	743.00	45.30	1,846.48		32.85	0.018			u	u
	Sat	12/09/17	24:00	-3.40	739.00	45.10	1,839.55		69.77	0.038			u	u

a. Lab analysis by RTI International in Research Triangle Park, NC.

b. Arithmetic average of all sampling events during the previous three calendar months.

c. The requirement to analyze for, and report, ambient air arsenic concentrations was eliminated by USEPA as of September 27, 2016.

t. A power outage caused the sampling pump to stop operating 15-hours into the October 19th sampling event. The error was identified on October 20, 2017, and the motor electrical supply was repaired on October 23, 2017, which prevented scheduled sampling on Sunday October 22, 2017 from being performed. A substitute sampling event was performed on October 29, 2017.

u. The met data for the 11/30, 12/03, 12/06, and 12/09 sampling days was not available as of the date of this report due to an unresolved error in the station download program. Behr anticipates that this error can be resolved and an amended report will be issued to include the missing met data.



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: January 4, 2018

APPENDIX A

USEPA Schedule of Lead Sampling Days for 2017

EPA Sampling Schedule 2017

Important Dates

Notes

3-Day schedule is shown in orange, green, and purple

6-Day schedule is shown in green and purple

12-Day schedule is shown in purple

January

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

February

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28				

March

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	21	22	23	24	25	
26	27	28	29	30	31	

April

S	M	T	W	T	F	S
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	18	19	20	21	22
23	24	26	27	28	29	30

May

S	M	T	W	T	F	S
	1	2	3	4	5	6
8	9	10	11	12	13	
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30				

June

S	M	T	W	T	F	S
			1	2	3	
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	

July

S	M	T	W	T	F	S
					1	
2	3	4	5	6	7	8
9	10	11	12	13	14	15
16	17	19	20	21	22	
23	24	25	26	27	28	29
					31	

August

S	M	T	W	T	F	S
			1	2	3	4
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30	31		

September

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30

October

S	M	T	W	T	F	S
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
23	24	25	26	27	28	29
29	30	31				

November

S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	28	29	30			

December

S	M	T	W	T	F	S
			1	2		
3	4	5	6	7	8	9
10	11	12	13	14	15	16
17	18	19	20	21	22	23
24	25	26	27	28	29	30
					31	



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: January 4, 2018

APPENDIX B

**RTI International Analytical Results
November 9 through December 9, 2017**

January 2, 2018

Andrew Setter
Behr Iron & Metal
1100 Seminary Street
Rockford, IL 61104

Dear Mr. Setter:

RTI International analyzed the TSP filter samples you provided in accordance with 40 CFR Part 50, Appendix G. The results are summarized below in Table 1.

Table 1. TSP Filter Results µg/Filter		
Filter ID	Date Collected	Lead
9446431	12/9/2017	69.8
9446432	12/6/2017	32.8
9446433	12/3/2017	201
9446434	11/30/2017	157
9446435	11/27/2017	122
9446436	11/24/2017	30.3
9446437	11/21/2017	32.5
9446438	11/18/2017	3.27
9446439	11/15/2017	5.44
9446440	11/12/2017	78.1
9446441	11/9/2017	13.8

Please refer to the attached spreadsheets “Behr Set 24 Report” and “2017 Pb TSP Audit Filters Q4” for quality control information. The remaining filter sections will be archived for two years. Please call me at 919-541-8762 or email me at fxw@rti.org if you have any questions.

Sincerely,

Frank Weber

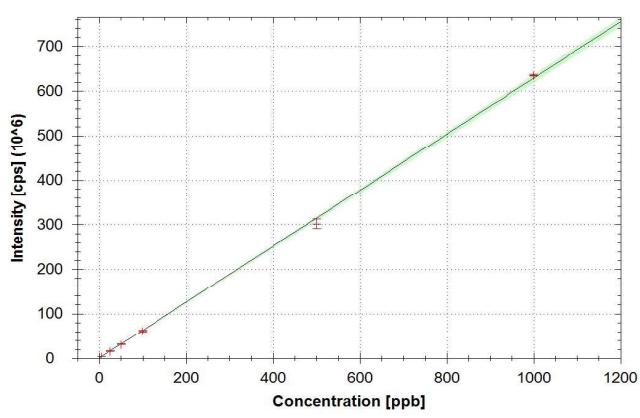
Frank Weber
Laboratory Manager

cc: Project file 0281800.602
Lisa Bailey, RTI/ORC

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Calibration Standards

	Lead µg/L	% Recovery
Calibration Blank	0.01	n/a
5	4.71	94
25	24.0	96
50	48.7	97
100	97.2	97
500	479	96
1000	1011	101

**Initial and Continuing Calibration Verifications**

	Lead µg/L	% Recovery
ICV	200	100
CCV1	201	100
CCV2	191	96
CCV3	196	98
CCV4	184	92

Initial and Continuing Calibration Blanks

	Lead µg/L		
ICB	0.0115	<RL	RL=5µg/L
CCB1	0.0102	<RL	
CCB2	0.0085	<RL	
CCB3	0.0074	<RL	
CCB4	0.0084	<RL	

Lower Level Calibration Verifications

	Lead µg/L	% Recovery
LLCV1	11.2	93
LLCV2	11.2	93

Reagent Blanks/Reagent Blank Spikes

	Lead µg/L	% Recovery
RB	0.061	<RL
RBS	268	107

Certified Reference Material

	Lead µg/L	Lead mg/kg	% Recovery	weight (g)	NIST 2711 Montana Soil
CRM 2711	2881	1133	97.5	0.1017	Certified Value = 1162mg/kg
Filter Blank	0.28				

Matrix Duplicates

	Lead µg/filter	RPD
9446431	69.8	
9446431 DUP	65.2	6.821

Matrix Spikes

	Lead µg/filter	% Recovery
9446431	69.8	
9446431 SPK	174	87.0

Serial Dilutions

	Lead µg/filter	% Difference
9446433	201	
9446433 1:5	221	8.73

MDL **Lead µg/filter**
0.0832

TSP strips

	Date	µg/L	final vol (L)	µg/strip	% Recovery	Actual
BAT-TSP-2017-01-352	10/11/2017	372	0.040	14.87	97	15.4
BAT-TSP-2017-02-323	10/11/2017	1683	0.040	67.31	101	66.7
BAT-TSP-2017-01-350	11/28/2017	373	0.040	14.92	97	15.4
BAT-TSP-2017-02-324	11/28/2017	1657	0.040	66.28	99	66.7
BAT-TSP-2017-01-351	12/29/2017	373	0.040	14.93	97	15.4
BAT-TSP-2017-02-319	12/29/2017	1579	0.040	63.17	95	66.7



**Ambient Air Lead Monitoring Report
Behr Site**

**1100 SEMINARY STREET
ROCKFORD, ILLINOIS
SITE ID NO.: 201030AYB**

Report Date: January 4, 2018

APPENDIX C

**Meteorological Station Data – Hourly Averages
November 9 through December 9, 2017**



Ambient Monitor Location with Respect to Site Emission Points and Site Boundaries

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - November 9 through December 9, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
11/09/17	7 - 8	764	39.3	1.97	285°	327°	2.84
	8 - 9	764	38.7	3.64	279°		
	9 - 10	765	41.7	4.51	280°		
	10 - 11	765	41.2	3.99	325°		
	11 - 12	766	38.4	4.21	317°		
	12 - 13	766	39.8	3.91	322°		
	13 - 14	767	39.8	4.42	308°		
	14 - 15	767	38.5	4.84	308°		
	15 - 16	768	37.6	4.42	325°		
	16 - 17	768	36.6	3.84	328°		
	17 - 18	769	34.4	3.68	329°		
	18 - 19	770	31.1	3.20	330°		
	19 - 20	771	28.4	3.66	339°		
	20 - 21	772	26.0	3.24	346°		
	21 - 22	773	24.4	2.46	341°		
	22 - 23	773	22.9	2.31	346°		
	23 - 24	774	21.7	2.54	355°		
	0 - 1	774	20.4	2.22	351°		
	1 - 2	774	19.3	2.00	358°		
	2 - 3	775	18.6	1.80	1°		
	3 - 4	775	17.6	2.21	351°		
	4 - 5	776	16.4	1.87	348°		
	5 - 6	777	15.9	1.47	0°		
	6 - 7	777	15.5	1.94	5°		
11/10/17	7 - 8	769	33.9	0.10	327°	82°	0.07
	8 - 9	770	33.7	0.33	1°		
	9 - 10	770	34.2	0.69	128°		
	10 - 11	770	33.9	1.65	127°		
	11 - 12	771	33.5	0.92	133°		
	12 - 13	770	34.1	0.02	72°		
	13 - 14	770	34.5	0.63	337°		
	14 - 15	770	34.7	0.99	331°		
	15 - 16	771	34.7	1.24	333°		
	16 - 17	771	35.0	1.15	329°		
	17 - 18	771	35.2	0.97	326°		
	18 - 19	771	35.4	0.74	320°		
	19 - 20	772	35.4	0.31	306°		
	20 - 21	772	35.4	0.42	278°		
	21 - 22	772	35.7	0.20	260°		
	22 - 23	773	34.9	0.05	174°		
	23 - 24	773	33.7	0.05	239°		
	0 - 1	773	32.2	0.56	130°		
	1 - 2	773	31.2	0.67	130°		
	2 - 3	773	30.4	0.67	134°		
	3 - 4	773	29.8	0.53	131°		
	4 - 5	773	28.4	0.86	140°		
	5 - 6	773	27.3	0.52	143°		
	6 - 7	774	27.0	0.57	155°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - November 9 through December 9, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
11/15/17	7 - 8	758	44.1	3.39	143°	298°	2.87
	8 - 9	758	44.3	2.86	141°		
	9 - 10	757	44.3	2.55	133°		
	10 - 11	757	45.2	2.24	124°		
	11 - 12	757	46.3	1.64	274°		
	12 - 13	757	47.7	3.69	280°		
	13 - 14	757	50.1	4.41	297°		
	14 - 15	757	50.7	4.47	307°		
	15 - 16	757	51.1	5.09	288°		
	16 - 17	758	49.8	4.96	289°		
	17 - 18	758	47.1	3.87	291°		
	18 - 19	760	38.7	7.11	304°		
	19 - 20	761	34.3	6.07	291°		
	20 - 21	761	33.7	4.79	299°		
	21 - 22	762	33.5	4.74	302°		
	22 - 23	762	34.0	5.06	310°		
	23 - 24	762	34.4	3.82	318°		
	0 - 1	763	34.3	3.32	303°		
	1 - 2	763	33.0	3.76	295°		
	2 - 3	764	31.7	3.68	301°		
	3 - 4	764	32.1	2.38	312°		
	4 - 5	765	32.8	2.67	312°		
	5 - 6	765	32.8	2.73	321°		
	6 - 7	766	32.6	2.76	325°		
11/16/17	7 - 8	750	39.4	1.95	355°	332°	3.50
	8 - 9	751	38.8	3.02	337°		
	9 - 10	751	37.4	3.69	347°		
	10 - 11	751	35.1	2.71	343°		
	11 - 12	751	35.3	3.34	345°		
	12 - 13	751	36.5	4.24	340°		
	13 - 14	752	37.5	4.83	337°		
	14 - 15	752	38.2	4.81	341°		
	15 - 16	752	38.4	5.38	343°		
	16 - 17	753	38.6	5.15	342°		
	17 - 18	754	38.6	4.14	334°		
	18 - 19	755	38.0	3.83	332°		
	19 - 20	756	35.8	2.24	324°		
	20 - 21	757	34.6	2.04	319°		
	21 - 22	757	34.6	2.32	316°		
	22 - 23	758	36.0	3.66	318°		
	23 - 24	759	35.8	5.29	329°		
	0 - 1	759	34.9	4.14	331°		
	1 - 2	760	33.9	3.26	323°		
	2 - 3	760	31.5	3.78	317°		
	3 - 4	761	29.4	3.13	313°		
	4 - 5	761	29.4	2.79	327°		
	5 - 6	761	29.4	2.15	313°		
	6 - 7	762	28.3	3.83	308°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - November 9 through December 9, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
11/21/17	7 - 8	754	43.0	0.24	265°	310°	2.81
	8 - 9	755	43.4	3.02	285°		
	9 - 10	756	42.8	5.11	286°		
	10 - 11	757	40.8	5.23	289°		
	11 - 12	758	38.0	5.82	289°		
	12 - 13	759	36.6	5.12	302°		
	13 - 14	760	35.8	4.09	318°		
	14 - 15	760	35.5	4.58	335°		
	15 - 16	761	36.2	4.27	325°		
	16 - 17	763	35.1	3.64	327°		
	17 - 18	764	33.9	2.95	317°		
	18 - 19	765	31.9	3.00	330°		
	19 - 20	766	30.3	3.00	341°		
	20 - 21	767	28.8	1.75	330°		
	21 - 22	767	27.7	2.14	325°		
	22 - 23	768	27.1	3.05	325°		
	23 - 24	768	25.8	2.15	310°		
	0 - 1	768	24.1	2.27	300°		
	1 - 2	769	23.3	2.10	301°		
	2 - 3	769	22.5	2.04	308°		
	3 - 4	769	21.9	1.63	313°		
	4 - 5	770	20.9	1.38	297°		
	5 - 6	770	20.2	1.24	301°		
	6 - 7	771	19.7	1.11	301°		
11/22/17	7 - 8	755	36.3	1.87	142°	170°	0.88
	8 - 9	755	37.8	3.13	143°		
	9 - 10	754	41.5	3.68	143°		
	10 - 11	753	46.8	4.34	146°		
	11 - 12	752	52.6	5.34	142°		
	12 - 13	751	58.8	5.52	145°		
	13 - 14	749	63.4	6.68	141°		
	14 - 15	748	65.5	6.30	146°		
	15 - 16	748	65.3	6.95	136°		
	16 - 17	747	63.2	4.84	145°		
	17 - 18	748	60.1	3.08	146°		
	18 - 19	748	58.0	2.37	132°		
	19 - 20	749	59.6	0.54	282°		
	20 - 21	750	56.6	2.91	274°		
	21 - 22	750	55.3	3.05	297°		
	22 - 23	751	55.2	3.06	313°		
	23 - 24	752	54.8	3.91	304°		
	0 - 1	753	53.2	4.27	321°		
	1 - 2	754	50.4	3.34	329°		
	2 - 3	755	47.6	3.01	330°		
	3 - 4	756	45.2	3.60	308°		
	4 - 5	757	43.0	3.61	300°		
	5 - 6	758	41.0	3.60	305°		
	6 - 7	758	39.7	3.00	291°		
11/24/17	7 - 8	755	36.3	1.87	142°	170°	0.88
	8 - 9	755	37.8	3.13	143°		
	9 - 10	754	41.5	3.68	143°		
	10 - 11	753	46.8	4.34	146°		
	11 - 12	752	52.6	5.34	142°		
	12 - 13	751	58.8	5.52	145°		
	13 - 14	749	63.4	6.68	141°		
	14 - 15	748	65.5	6.30	146°		
	15 - 16	748	65.3	6.95	136°		
	16 - 17	747	63.2	4.84	145°		
	17 - 18	748	60.1	3.08	146°		
	18 - 19	748	58.0	2.37	132°		
	19 - 20	749	59.6	0.54	282°		
	20 - 21	750	56.6	2.91	274°		
	21 - 22	750	55.3	3.05	297°		
	22 - 23	751	55.2	3.06	313°		
	23 - 24	752	54.8	3.91	304°		
	0 - 1	753	53.2	4.27	321°		
	1 - 2	754	50.4	3.34	329°		
	2 - 3	755	47.6	3.01	330°		
	3 - 4	756	45.2	3.60	308°		
	4 - 5	757	43.0	3.61	300°		
	5 - 6	758	41.0	3.60	305°		
	6 - 7	758	39.7	3.00	291°		
11/25/17	7 - 8	755	36.3	1.87	142°	170°	0.88
	8 - 9	755	37.8	3.13	143°		
	9 - 10	754	41.5	3.68	143°		
	10 - 11	753	46.8	4.34	146°		
	11 - 12	752	52.6	5.34	142°		
	12 - 13	751	58.8	5.52	145°		
	13 - 14	749	63.4	6.68	141°		
	14 - 15	748	65.5	6.30	146°		
	15 - 16	748	65.3	6.95	136°		
	16 - 17	747	63.2	4.84	145°		
	17 - 18	748	60.1	3.08	146°		
	18 - 19	748	58.0	2.37	132°		
	19 - 20	749	59.6	0.54	282°		
	20 - 21	750	56.6	2.91	274°		
	21 - 22	750	55.3	3.05	297°		
	22 - 23	751	55.2	3.06	313°		
	23 - 24	752	54.8	3.91	304°		
	0 - 1	753	53.2	4.27	321°		
	1 - 2	754	50.4	3.34	329°		
	2 - 3	755	47.6	3.01	330°		
	3 - 4	756	45.2	3.60	308°		
	4 - 5	757	43.0	3.61	300°		
	5 - 6	758	41.0	3.60	305°		
	6 - 7	758	39.7	3.00	291°		

Summary of On-Site Hourly Meteorological Data
Ambient Air Sampling Days - November 9 through December 9, 2017
Behr Iron & Metal an Alter Company - Rockford, Illinois

Date	Hour	Average Barometric Pressure mmHg	Average Temp °F	Hourly Average Wind Speed mph	Hourly Average Wind Direction Deg	Average Daily Wind Direction Deg	Average Daily Wind Speed mph
11/27/17	11 - 12	763	47.1	2.16	130°	138°	4.03
	12 - 13	762	50.0	3.78	127°		
	13 - 14	761	53.8	3.68	130°		
	14 - 15	761	55.4	3.83	134°		
	15 - 16	760	55.6	3.98	141°		
	16 - 17	760	55.1	3.82	129°		
	17 - 18	759	53.0	3.41	126°		
	18 - 19	759	52.1	3.19	125°		
	19 - 20	759	53.0	2.93	146°		
	20 - 21	759	52.5	2.37	144°		
	21 - 22	758	52.3	3.64	144°		
	22 - 23	757	51.9	4.27	150°		
	23 - 24	757	51.6	3.57	143°		
	0 - 1	758	51.0	3.24	146°		
11/28/17	1 - 2	758	50.1	3.87	150°		
	2 - 3	758	50.5	3.56	144°		
	3 - 4	758	54.5	5.52	144°		
	4 - 5	757	55.0	5.71	141°		
	5 - 6	758	54.5	5.10	141°		
	6 - 7	758	54.2	5.25	140°		
	7 - 8	758	54.1	5.79	137°		
	8 - 9	758	53.9	5.59	137°		
	9 - 10	759	53.9	4.43	138°		
	10 - 11	759	55.0	4.77	127°		

The met data for the 11/30, 12/03, 12/06, and 12/09 sampling days was not available as of the date of this report due to an unresolved error in the station download program. Behr anticipates that this error can be resolved and an amended report will be issued to include the missing met data.